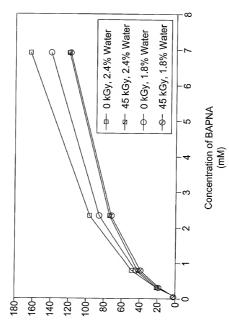
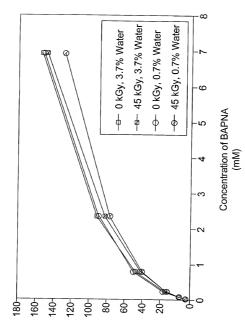
Gamma Irradiation of Lyophilized Trypsin in the Absence of Ascorbate



Velocity (hmole Product / 15 Minutes)

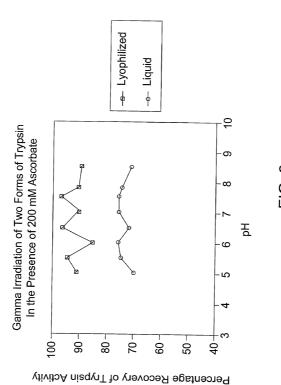
FIG. 1A

Gamma Irradiation of Lyophilized Trypsin in the Presence of 100 mM Ascorbate

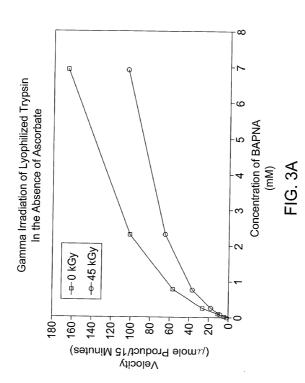


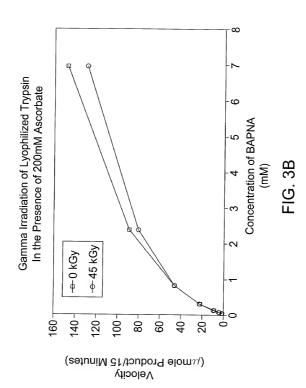
Velocity (hmole Product / 15 Minutes)

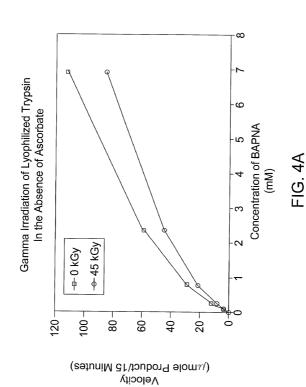
FIG. 1B



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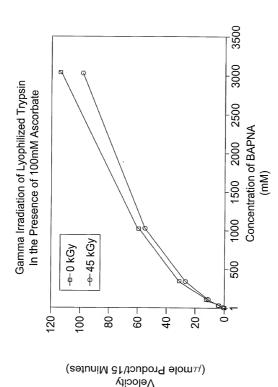
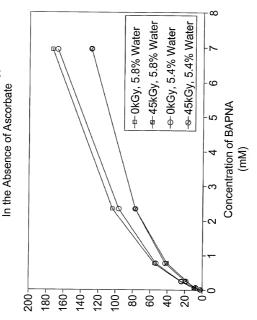


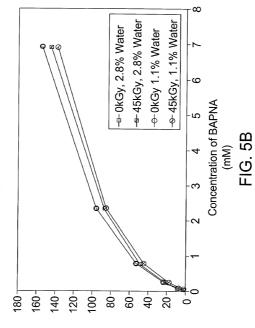
FIG. 4B



 $\label{eq:condition} $$\operatorname{Velocity}$ (mole Product/15 Minutes)$

FIG. 5A

Gamma Irradiation of Lyophilized Trypsin In the Presence of 100 mM Ascorbate



Velocity λ Minutes)

Percent Protection (Activity of Irradiated Sample / Activity of Unirradiated Sample)

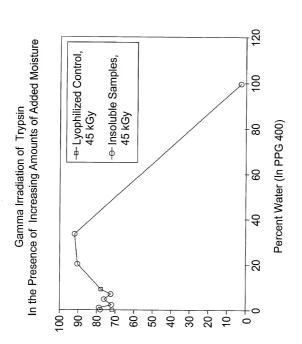
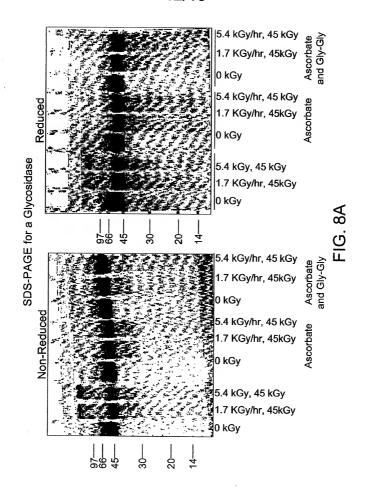


FIG. 6

009 -8-45 kGy, 1.5mM Uric Acid --- 0 kGy, 1.5mM Uric Acid Gamma Irradiation of Trypsin In the Presence of 500 Increasing Concentrations of Ascorbate →45 kGy 400 **+**0 kGy Concentration of Ascorbate 300 (mM) 200 100 7.5 7. -6.0 -9.0 6.3

FIG. 7

Trypsin Activity (Absorbance at 405 nm Minus Absorbance at 620nm, 20 Minutes Minus 2 Minutes)



SDS-PAGE for a Sulfatse

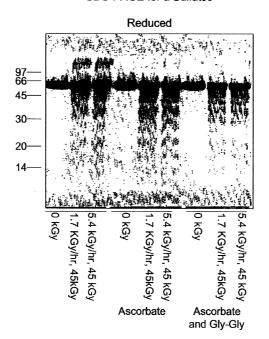
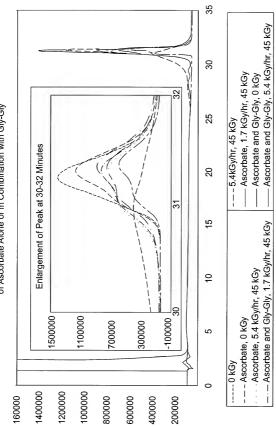


FIG. 8B

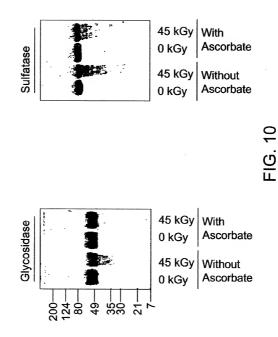
Gamma Irradiation of a Glycosidase In the Presence or Absence of Ascorbate Alone or in Combination with Gly-Gly



глочт

FIG. 9

Gamma Irradiation of a Lyophilized Glycosidase and Sulfatase In the Absence and Presence of 100mM Ascorbate



Gamma Irradiation of a Lyophilized Glycosidase In the Absence of Stabilizers

Reduced & Non-Reduced, 10%

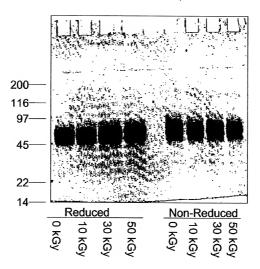


FIG. 11A

Gamma Irradiation of a Lyophilized Glycosidase In the Presence of 200 mM Ascorbate



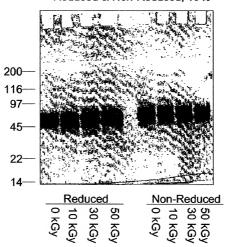


FIG. 11B

Gamma Irradiation of a Lyophilized Glycosidase In the Presence of 200 mM Ascorbate and 200 mM Gly Gly

Reduced & Non-Reduced, 10%

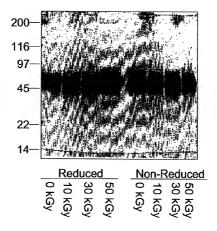


FIG. 11C